

COMPOSITION:
EROSION CONTROL MIX SHALL BE MANUFACTURED ON OR OFF THE PROJECT SITE SUCH THAT ITS COMPOSITION IS IN ACCORDANCE WITH THE MDEP MAINE EROSION AND SEDIMENT CONTROL BMP MANUAL, LAST REVISED MARCH 2003 OR LATER. IT MUST CONSIST PRIMARILY OF ORGANIC MATERIAL, SEPARATED AT THE POINT OF GENERATION, AND MAY INCLUDE: SHREDDED BARK, STUMP GRINDINGS, COMPOSTED BARK, OR OTHER ACCEPTABLE MANUFACTURED PRODUCTS. WOOD AND BARK CHIPS, GROUND CONSTRUCTION DEBRIS OR REPROCESSED WOOD PRODUCTS WILL NOT BE ACCEPTABLE AS THE ORGANIC CONTENT OF THE MIX. THE MIX COMPOSITION SHALL MEET THE

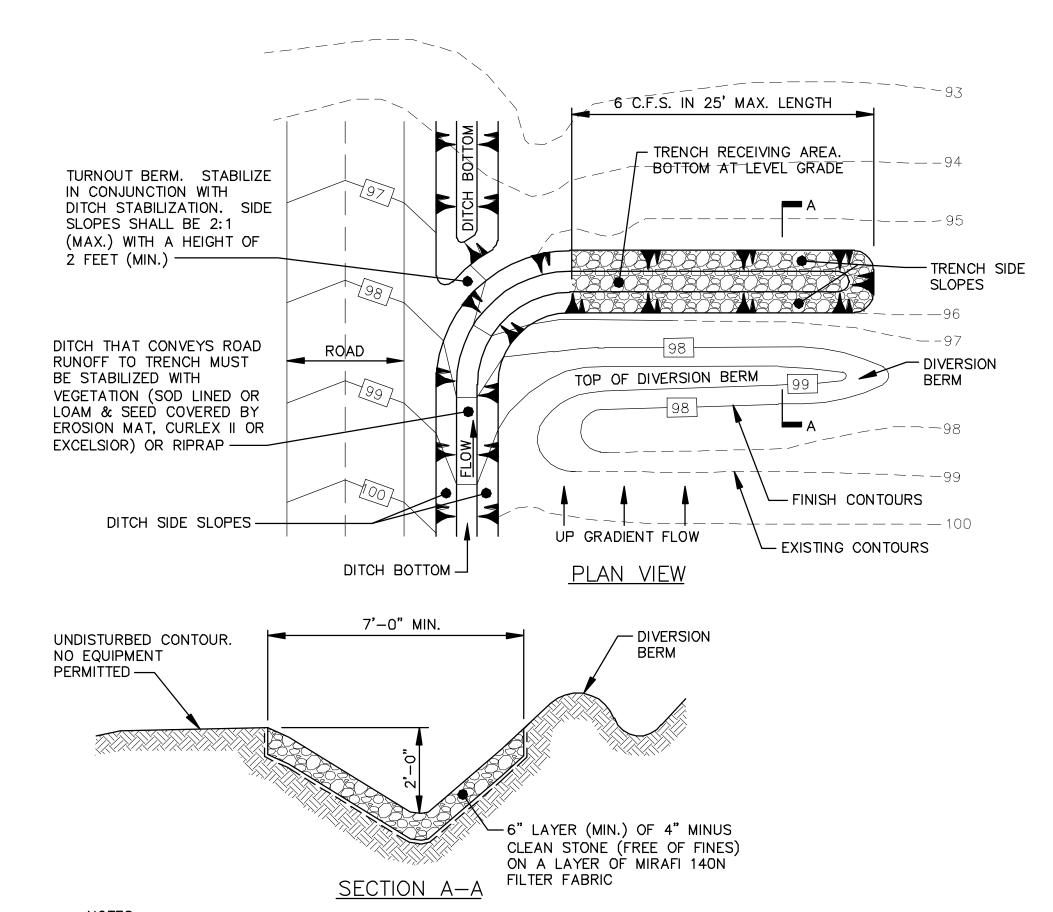
- FOLLOWING STANDARDS:

 1. THE ORGANIC MATTER CONTENT SHALL BE BETWEEN 80 AND 100%, DRY WEIGHT
- 2. PARTICLE SIZE BY WEIGHT SHALL BE 100% PASSING A 6-INCH SCREEN AND A MINIMUM OF 70% MAXIMUM OF 85%, PASSING A 0.75" SCREEN.
- 3. THE ORGANIC PORTION NEEDS TO BE FIBROUS AND ELONGATED.
 4. LARGE PORTIONS OF SILTS, CLAYS OR FINE SANDS ARE NOT ACCEPTABLE IN THE
- 5. SOLUBLE SALTS CONTENT SHALL BE <4.0 mmhos/cm.

INSTALLATION:

- 1. THE BARRIER MUST BE PLACED ALONG A RELATIVELY LEVEL CONTOUR. CUT TALL GRASSES OR WOODY VEGETATION TO AVOID CREATING VOIDS AND BRIDGES THAT WOULD ALLOW FINES TO WASH UNDER THE BARRIER THROUGH THE GRASS BLADES OR PLANT STEMS.
- 2. ON SLOPES LESS THAN 5% OR AT THE BOTTOM OF STEEPER SLOPES (<2:1) UP TO 20 FEET LONG, THE BARRIER MUST BE A MINIMUM OF 12—INCHES HIGH, AS MEASURED ON THE UPHILL SIDE OF THE BARRIER, AND A MINIMUM OF TWO FEET WIDE. ON LONGER OR STEEPER SLOPES, THE BARRIER SHOULD BE WIDER TO ACCOMMODATE THE ADDITIONAL RUNOFF.
- FROZEN GROUND, OUT CROPS OF BEDROCK AND VERY ROOTED FORESTED AREAS ARE LOCATIONS WHERE BERMS OF EROSION CONTROL MIX ARE MOST PRACTICAL AND EFFECTIVE.
- 4. EROSION CONTROL MIX SHOULD NOT BE INSTALLED IN THE FOLLOWING AREAS: AT POINTS OF CONCENTRATED FLOW, BELOW CULVERT OUTLET APRONS, AROUND CATCH BASINS AND CLOSED STORM SYSTEMS AND AT THE BOTTOM OF STEEP SLOPES THAT ARE MORE THAN 50 FEET FROM TOP TO BOTTOM.

EROSION CONTROL MIX BERM DETAIL NOT TO SCALE



NOTES:

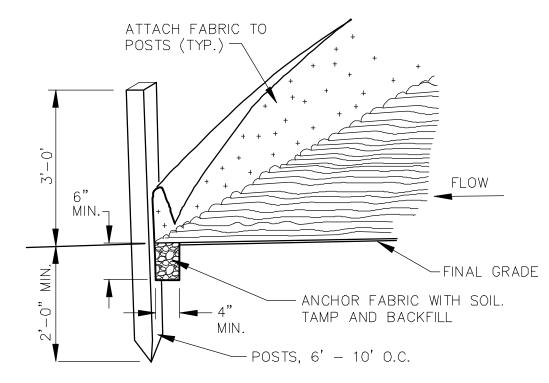
1. RUNOFF FROM UPHILL SIDE SLOPES OF THE ROAD SHALL NOT BE ALLOWED TO DRAIN INTO DITCH TURNOUTS.

- RECEIVING AREA MUST MAINTAIN THE NATURAL CONTOUR ACROSS THE SLOPE TO INSURE UNIFORM DISTRIBUTION OF FLOW.
 THE NATURAL VEGETATED RECEIVING AREA SHALL HAVE A REGULAR TOPOGRAPHY TO ALLOW THE CONVERSION OF SURFACE FLOWS INTO SUBSURFACE FLOWS THROUGH INFILTRATION AND PREVENT UNDUE FLOW CONCENTRATION BEFORE
- ENTERING A STABLE WATERCOURSE.

 4. THE RECEIVING AREA SHALL BE STABLE PRIOR TO THE CONSTRUCTION OF THE DITCH TURNOUT.
- 5. DITCH TURNOUTS SHALL BE CONSTRUCTED ON UNDISTURBED SOIL WHERE POSSIBLE. IF FILL IS USED IT SHALL BE COMPACTED TO 95% OF STANDARD PROCTOR TEST LEVELS PRIOR TO SEEDING FOR THAT AREA NOT CONSIDERED THE SEEDBED.

TYPICAL ROAD DITCH TURN OUT LEVEL SPREADER DETAIL

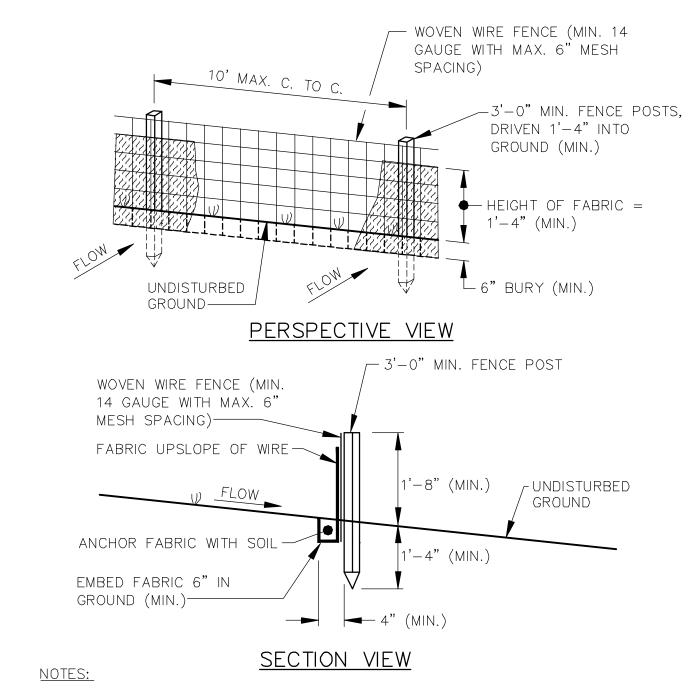
NOT TO SCALE



NOTES: 1. TO BE INSTALLED ON THE CONTOURS ACROSS A SLOPE.

- 2. FLARE ENDS UPHILL TO PROVIDE STORAGE CAPACITY.
- 3. POSTS FOR ATTACHING FABRIC TO BE PLACED A MINIMUM 6' FROM TOE OF THE SLOPE.
- 4. TO BE USED WHERE EXISTING GROUND SLOPES AWAY FROM THE TOE OF THE EMBANKMENT.
- 5. CONTRACTOR TO INSPECT THE SILT FENCE FREQUENTLY, AND REPAIR OR REPLACE ANY DAMAGED SECTIONS. REMOVE SILT FROM BEHIND THE FENCE WHEN IT HAS REACHED ONE—HALF THE HEIGHT OF THE FENCE, OR WHEN HEAVY RUNOFF OR SILTATION IS EXPECTED.

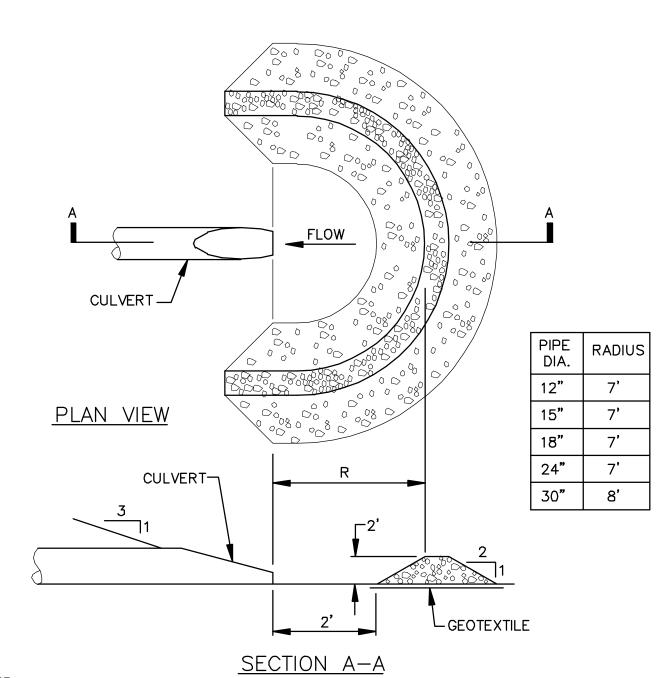
SILT FENCE DETAIL



1. REINFORCED SILT FENCE CAN BE USED INSTEAD OF TWO LAYERS OF SILT FENCE OR EROSION CONTROL BERM WHEN WORKING ADJACENT TO ENVIRONMENTALLY SENSITIVE AREAS SUCH AS: WITHIN 250 FEET OF A LAKE, POND, RIVER, BROOK OR PERENNIAL STREAM; WITHIN 100 FEET OF AN INTERMITTENT STREAM; 100 FEET OF A WETLAND; CONSTRUCTION CROSSING A STREAM AND ANY OTHER SENSITVE AREA LISTED IN THE LATEST EDITION OF THE MAINE EROSION AND SEDIMENT CONTROL BMP MANUAL.

- 2. POSTS FOR ATTACHING FABRIC SHALL BE PLACED A MINIMUM OF 6' FROM TOE OF THE SLOPE.
- 3. TO BE USED WHERE EXISTING GROUND SLOPES AWAY FROM THE TOE OF THE EMBANKMENT.
- 4. WOVEN WIRE FENCE TO BE FASTENED SECURELY TO FENCE POSTS WITH WIRE TIES. WIRE FENCE REINFORCEMENT REQUIRED WITHIN 100 FEET UPSLOPE OF RECEIVING WATERS.
- 5. FABRIC TO BE FASTENED FASTENED SECURELY TO WOVEN WIRE FENCE WITH TIES SPACED EVERY 24" AT TOP AND MID SECTION. FENCE SHALL BE WOVEN WIRE, 6 INCH MAXIMUM MESH
- 6. WHEN TWO SECTIONS OF FABRIC ADJOIN EACH OTHER THEY SHALL BE OVERLAPPED BY SIX INCHES AND FOLDED. CLOTH SHALL BE EITHER FILTER X, MIRAFI 100X, STABILINKA T140N, OR APPROVED EQUAL.
- 7. CONTRACTOR TO INSPECT SILT FENCE FREQUENTLY, AND REPAIR OR REPLACE ANY DAMAGED SECTIONS. REMOVE SILT FROM BEHIND THE FENCE WHEN IT HAS REACHED ONE—HALF THE HEIGHT OF THE FENCE, OR WHEN HEAVY RUNOFF OR SILTATION IS EXPECTED.

REINFORCED SILT FENCE DETAIL NOT TO SCALE



<u>IOTES:</u> . USE 2" TO 3" STONE.

- PLACE STONE OVER GEOTEXTILE.
 ONCE THE AREAS UPSTREAM FROM THE CHECK DAM ARE STABILIZED BY VEGETATION, THE SEDIMENT TRAPPED BEHIND/WITHIN THE DAM SHALL BE RELOCATED TO AN AREA
- UNDERGOING FINAL GRADING.
 4. THE CHECK DAMS SHALL BE FLATTENED AND GRADED IN A MANNER WHICH PROTECTS
- THE AREA FROM EROSION AND CHANNEL BLOCKAGE. (GEOTEXTILE MUST BE REMOVED).

 5. THE GEOTEXTILE SHALL BE DISPOSED OF OFFSITE.
- 6. THE AREA CONTRIBUTING TO THE CHECK DAM SHALL NOT EXCEED 10 ACRES.

TEMPORARY CHECK DAM AT CULVERT ENTRANCE DETAIL



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Consultants

Legend

No

- 1. REFER TO SHEET C-001 FOR EXISITNG AND PROPOSED LEGENDS.
- 2. REFER TO SHEETS C-501 THROUGH C-508 FOR TYPICAL DETAILS.
- 3. REFER TO SHEETS C-618-S AND C-613-N FOR CULVERT, DITCH TURNOUT, LEVEL SPREADER AND FINAL LOCATION OF 16' WIDE ACCESS ROAD TABLES
- 4. REFER TO THE 600 SERIES PLANS FOR THE LOCATIONS OF STONE LINED SWALES, DITCH TURNOUTS AND LEVEL SPREADERS.

DEP SUBMISSION
NOT FOR CONSTRUCTION
SEPTEMBER 5, 2008

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ent/Project

EVERGREEN WIND POWER III, LLC

ROLLINS WIND PROJECT (ROLLINS)

LINCOLN, BURLINGTON, LEE, WINN AND MATTAWAMKEAG PENOBSCOT COUNTY, MAINE

EROSION PREVENTION AND SEDIMENT CONTROL DETAILS

Project No. 195600147	Scale AS NOTED	
Drawing No.	Sheet	Revision
C-507	61 of 93	0